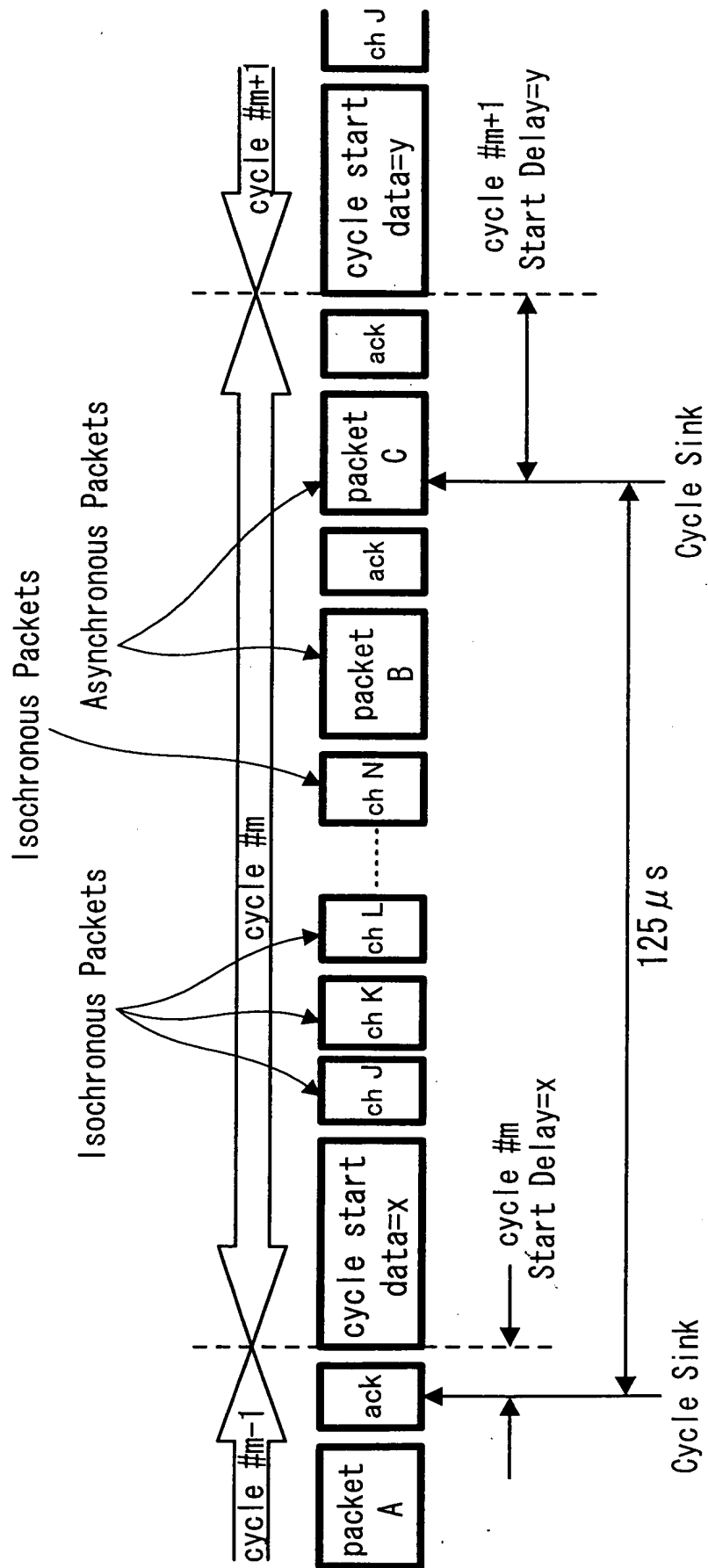


FIG. 1



801P1282

FIG. 2

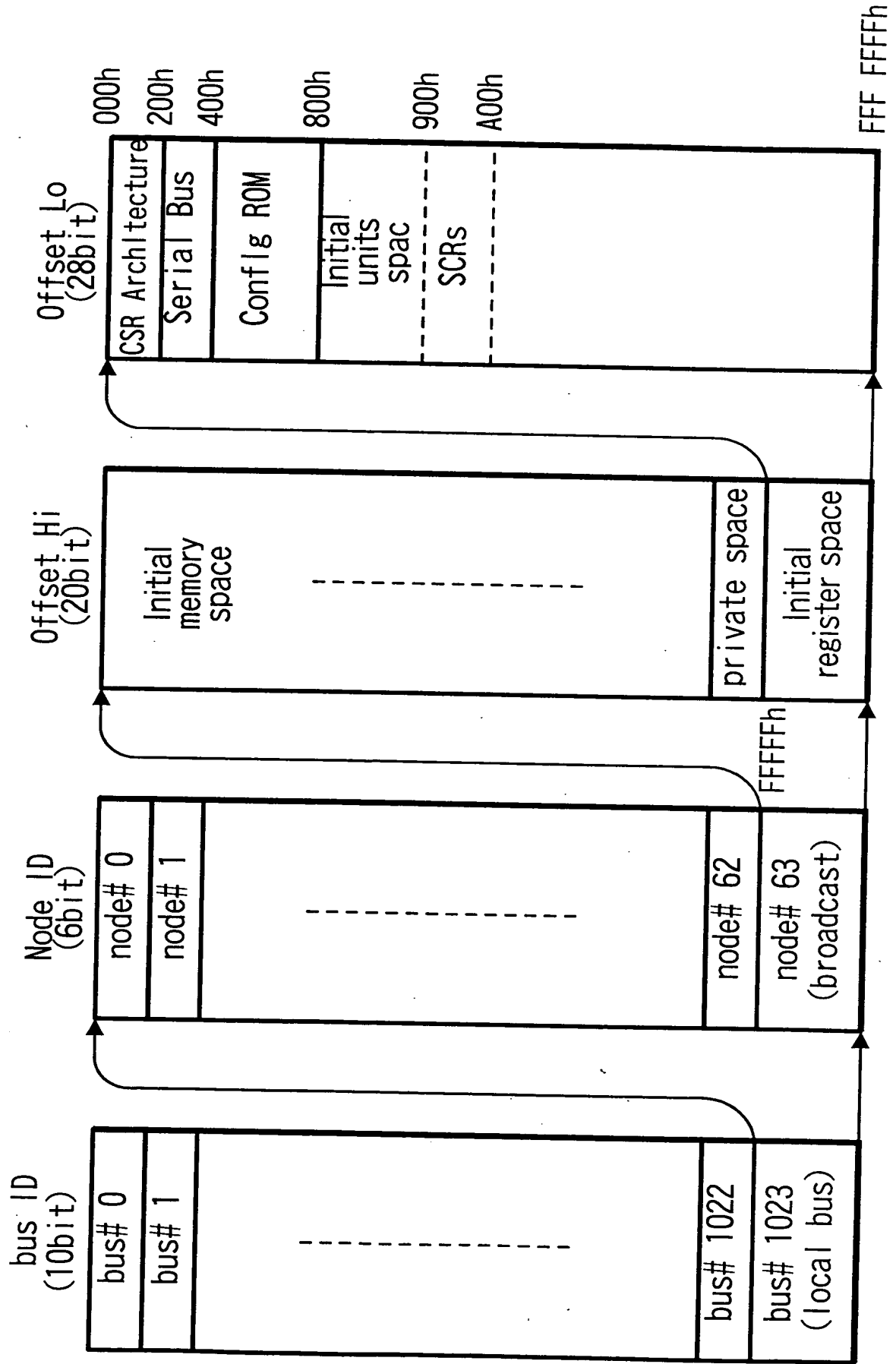


FIG. 3

| Offset | Designation | Function |
|-----------|---------------------|---|
| 000h | STATE_CLEAR | State and control data |
| 004h | STATE_SET | Set state_clear bit |
| 008h | NODE_IDS | Indicate node ID of 16 bits |
| 00Ch | RESET_START | Start command reset |
| 018h-01Ch | SPLIT_TIMEOUT | Specify maximum time of split |
| 200h | CYCLE_TIME | Cycle time |
| 210h | BUSY_TIMEOUT | Specify limit on retry |
| 21Ch | BUS_MANAGER | Indicate ID of bus manager |
| 220h | BANDWIDTH_AVAILABLE | Indicate band that can be assigned to isochronous communication |
| 224h-228h | CHANNELS_AVAILABLE | Indicate the state where the channels are used |

FIG. 4

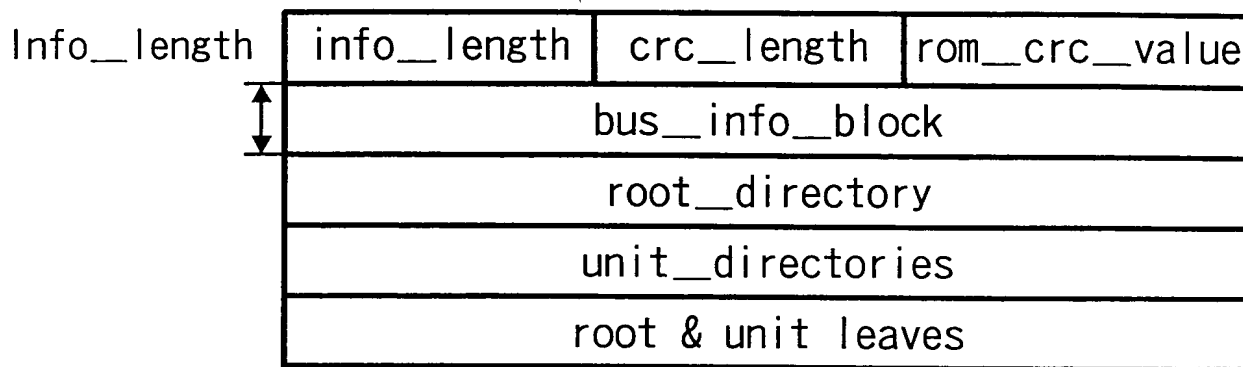


FIG. 6

| | |
|------|----------------------------------|
| 900h | Output Master Plug Register |
| 904h | Output Plug Control Register #0 |
| | Output Plug Control Register #1 |
| ⋮ | ⋮ |
| 97Ch | Output Plug Control Register #30 |
| 980h | Input Master Plug Register |
| 984h | Input Plug Control Register #0 |
| 988h | Input Plug Control Register #1 |
| ⋮ | ⋮ |
| 9FCh | Input Plug Control Register #30 |

FIG. 5

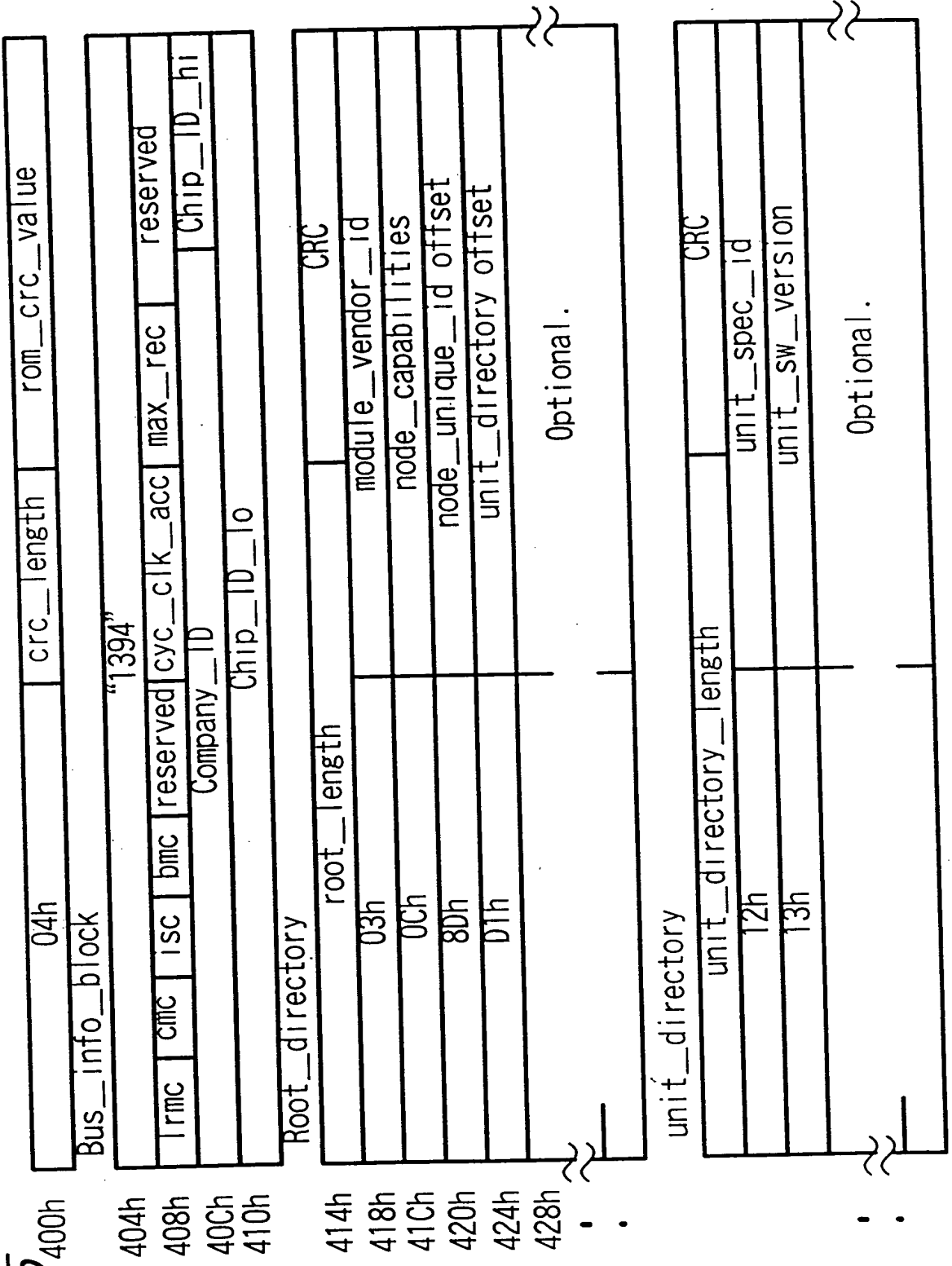


FIG. 7A

oMPR

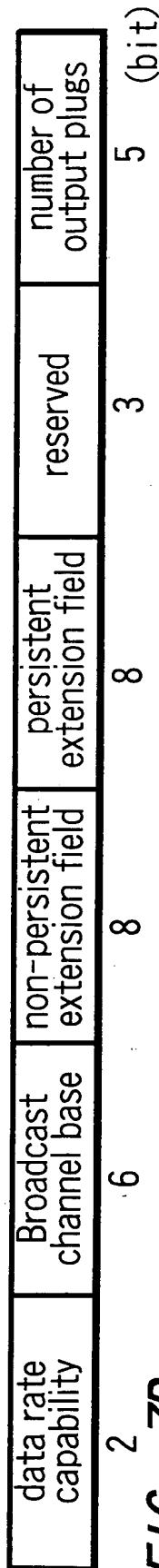


FIG. 7B

oPCR [n]

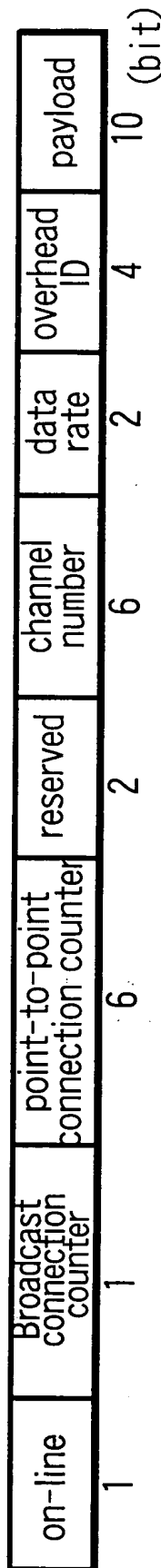


FIG. 7C

iMPR

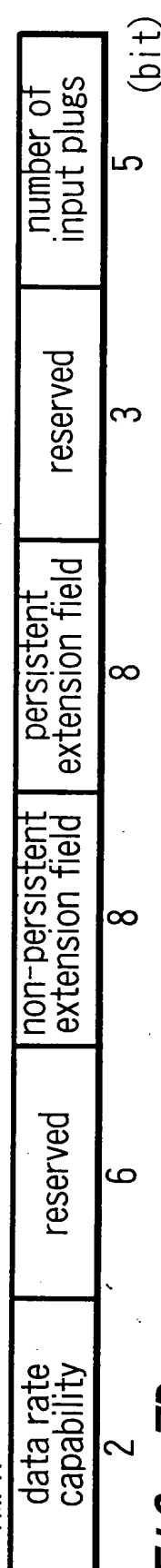


FIG. 7D

iPCR [n]

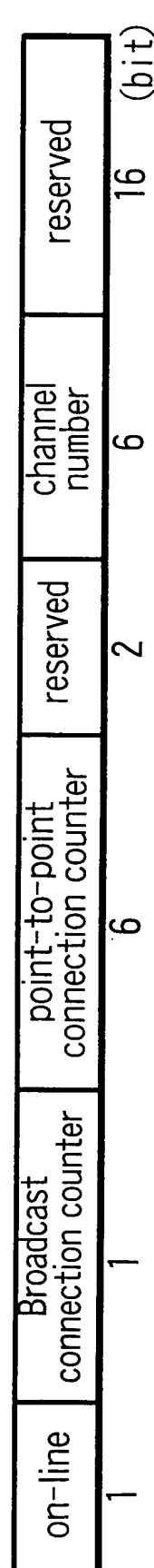


FIG. 8

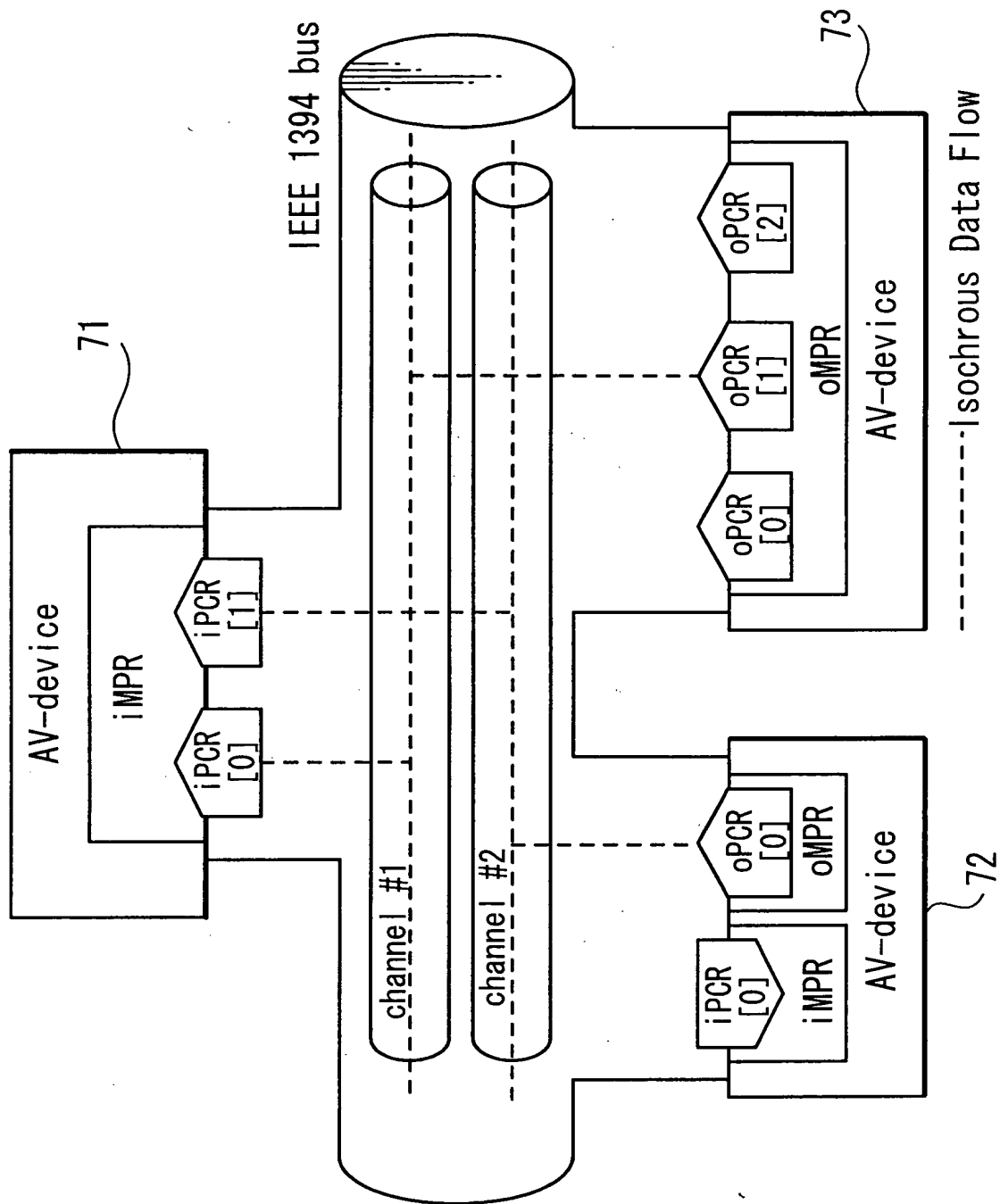


FIG. 9

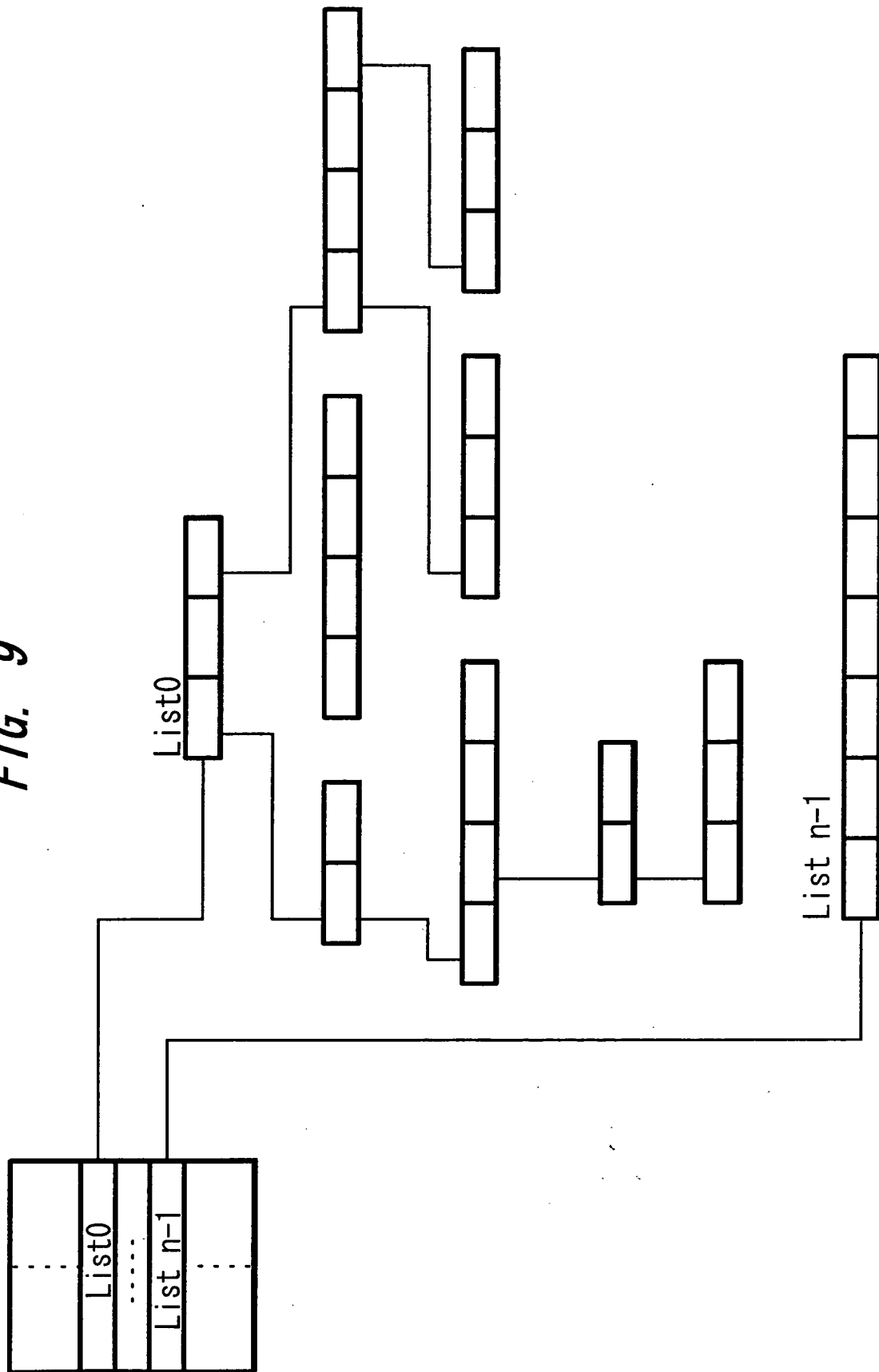


FIG. 10

| The General Subunit Identifier Descriptor | |
|---|--------------------------------------|
| address | contents |
| 00 00 ₁₆ | descriptor__length |
| 00 01 ₁₆ | |
| 00 02 ₁₆ | generation__ID |
| 00 03 ₁₆ | size__of__list__ID |
| 00 04 ₁₆ | size__of__object__ID |
| 00 05 ₁₆ | size__of__object__position |
| 00 06 ₁₆ | number__of__root__object__lists(n) |
| 00 07 ₁₆ | |
| 00 08 ₁₆ | root__object__list__id__0 |
| : | |
| : | : |
| : | root__object__list__id__n-1 |
| : | |
| : | subunit__dependent__length |
| : | |
| : | subunit__dependent__information |
| : | |
| : | |
| : | manufacturer__dependent__length |
| : | |
| : | manufacturer__dependent__information |
| : | |
| : | |

10000000000000000000000000000000

FIG. 11

| generation_ID values | |
|----------------------|--|
| generation_ID | meaning |
| 00 ₁₆ | Data structures and command sets as specified in the AV/C General Specification, version 3.0 |
| all others | reserved for future specification |

FIG. 12

| List ID Value Assignment Ranges | |
|--|------------------------|
| range of values | list definition |
| 0000 ₁₆ –0FFF ₁₆ | reserved |
| 1000 ₁₆ –3FFF ₁₆ | subunit-type dependent |
| 4000 ₁₆ –FFFF ₁₆ | reserved |
| 1 000 ₁₆ –max list ID value | subunit-type dependent |

FIG. 13

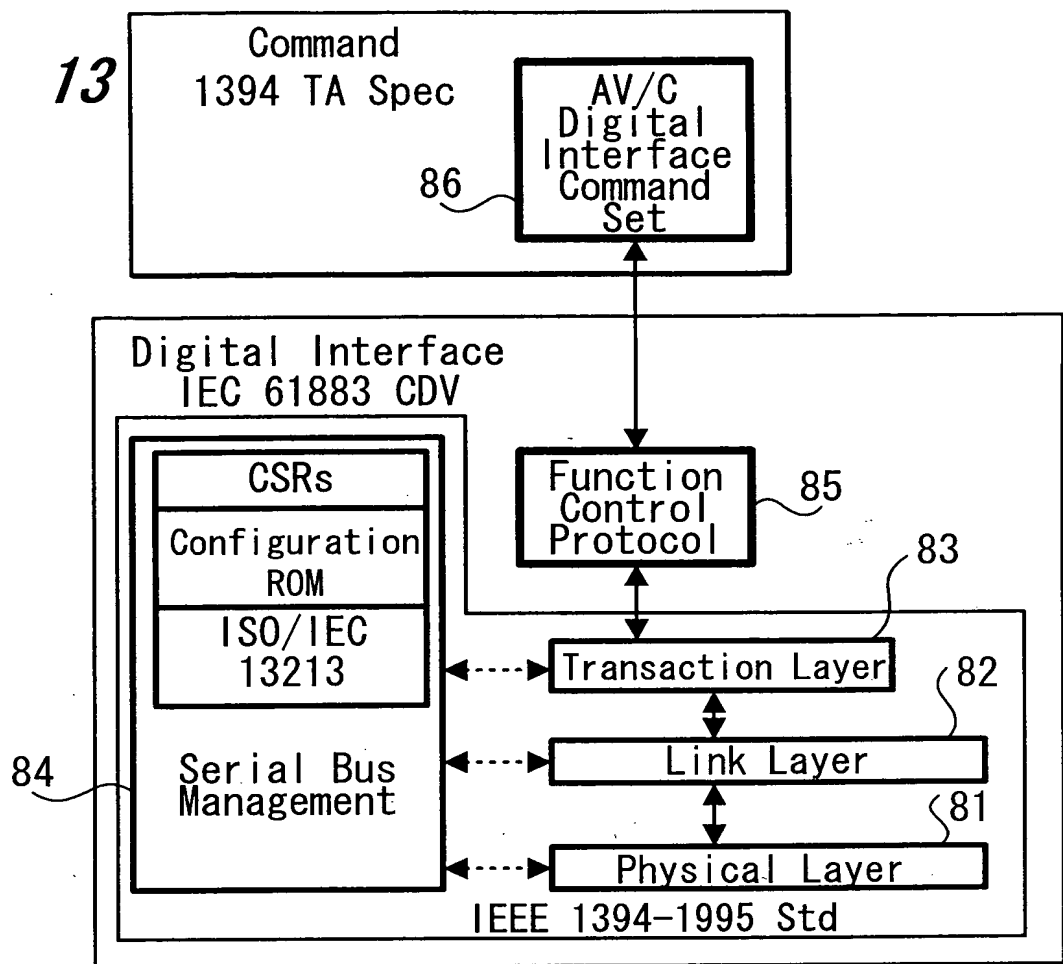


FIG. 14

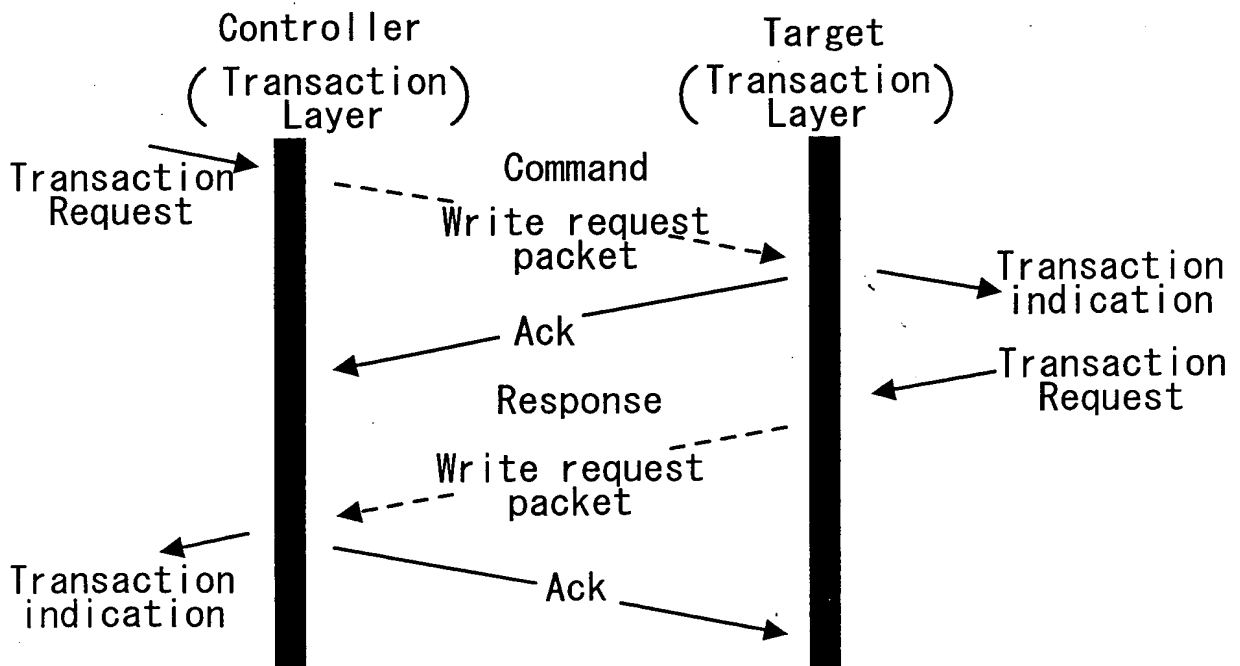


FIG. 15

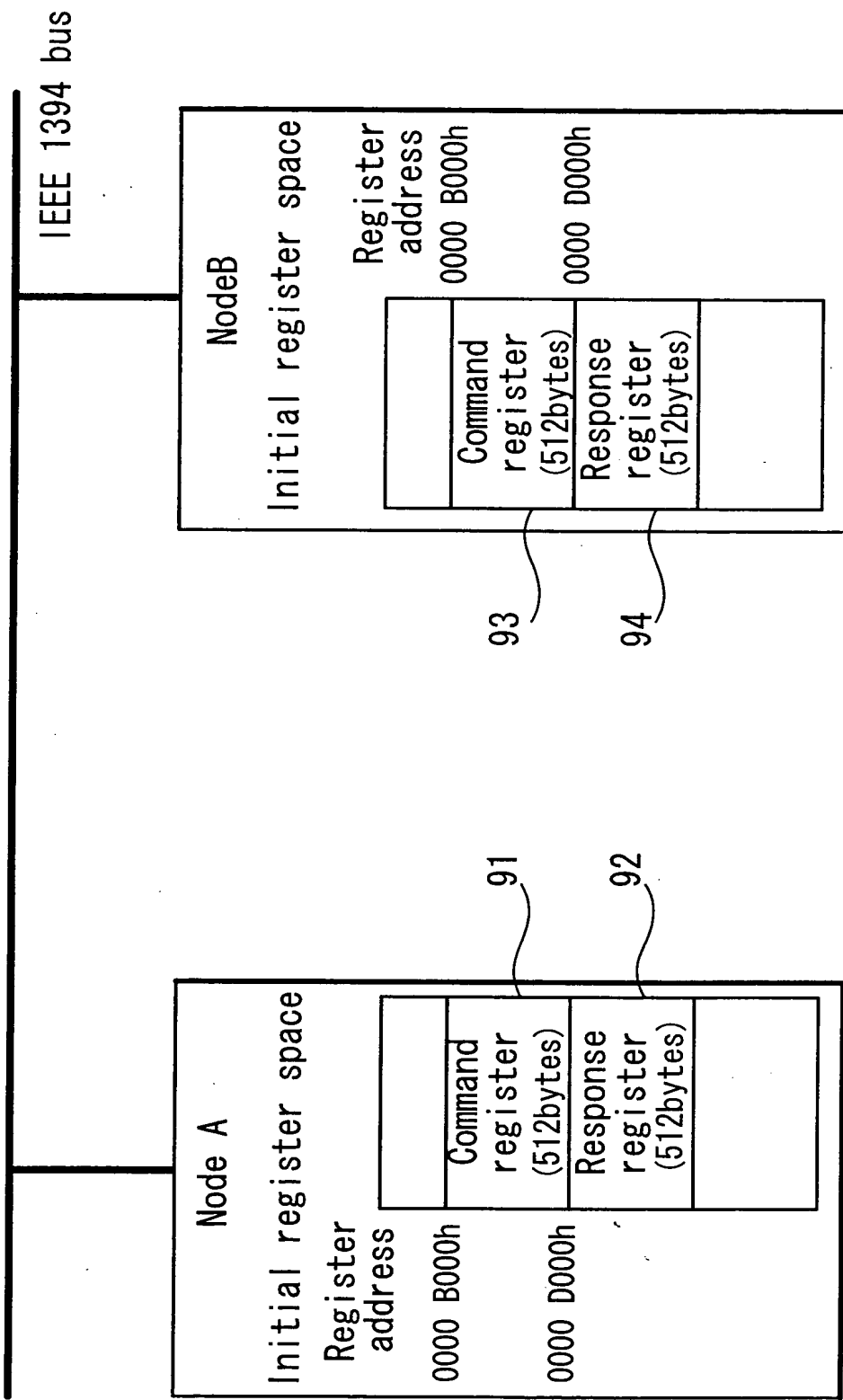
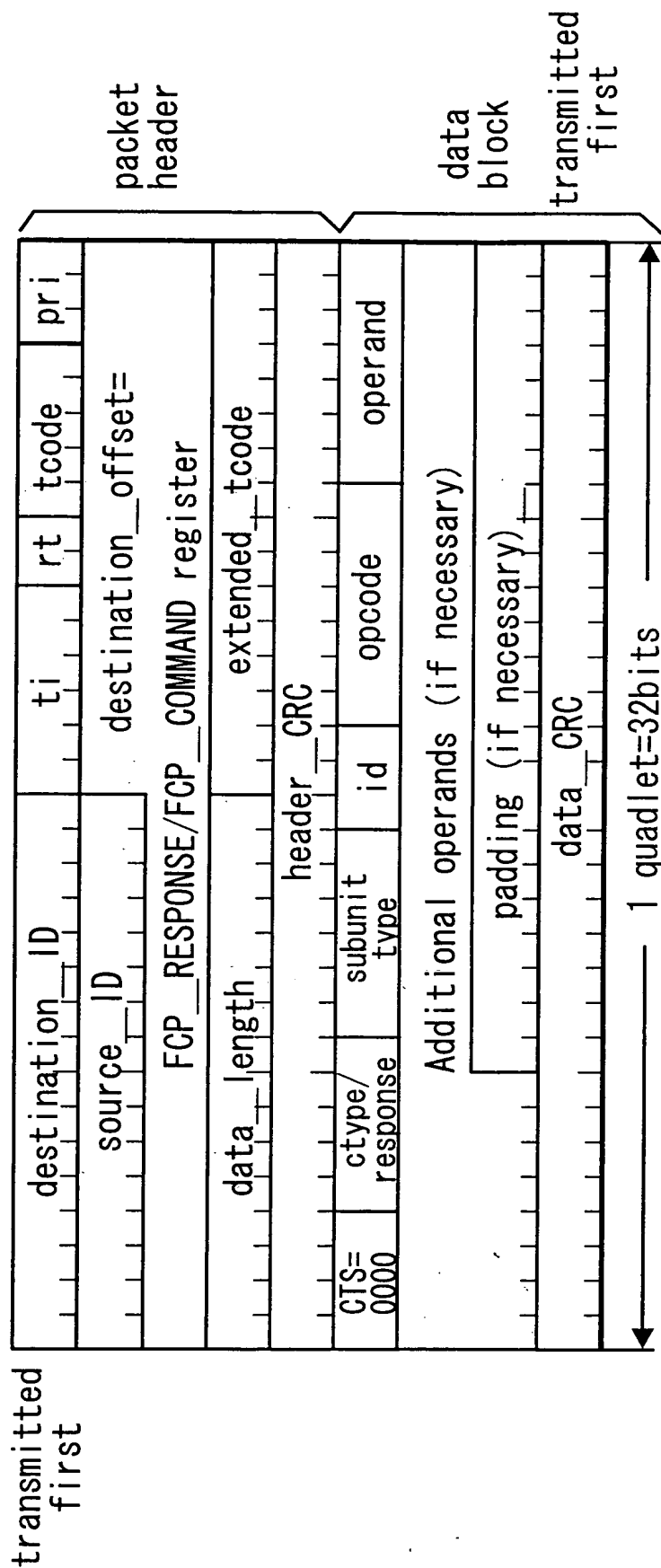


FIG. 16

Asynchronous Packet (Write Request for Data Block)



| ctype/response | subunit_type | opcode: Operation Code |
|--|---|---|
| 0000 0001 0010 0011 0100 0101 0111 | Video monitor (reserved) Disc recorder/Player Tape recorder/Player | 00h 50h 51h 52h 60h 61h 62h C1h C2h C3h C4h ? |
| 1000 1001 1010 1011 1100 1101 1110 1111 | Tuner Video Camera (reserved) Vendor unique (reserved) Subunit type extended to next byte Unit* | VENDOR-DEPENDENT SEARCH MODE TIMECODE ATN OPEN MIC READ MIC WRITE MIC LOAD MEDIUM RECORD PLAY WIND ? |

FIG. 17C

FIG. 17B

FIG. 17A

| AV/C | control | tape recorder when ID 0 | PLAY | FORWARD |
|--------------|----------------|----------------------------|------------|-----------------|
| CTS= 0000 | ctype= 0000 | subunit type=00100 | opcode=C3h | operand= 75h |

FIG. 18A

| AV/C | accepted | tape recorder when ID 0 | PLAY | FORWARD |
|--------------|-------------------|----------------------------|------------|-----------------|
| CTS= 0000 | response =1001 | subunit type=00100 | opcode=C3h | operand= 75h |

FIG. 18B

FIG. 19

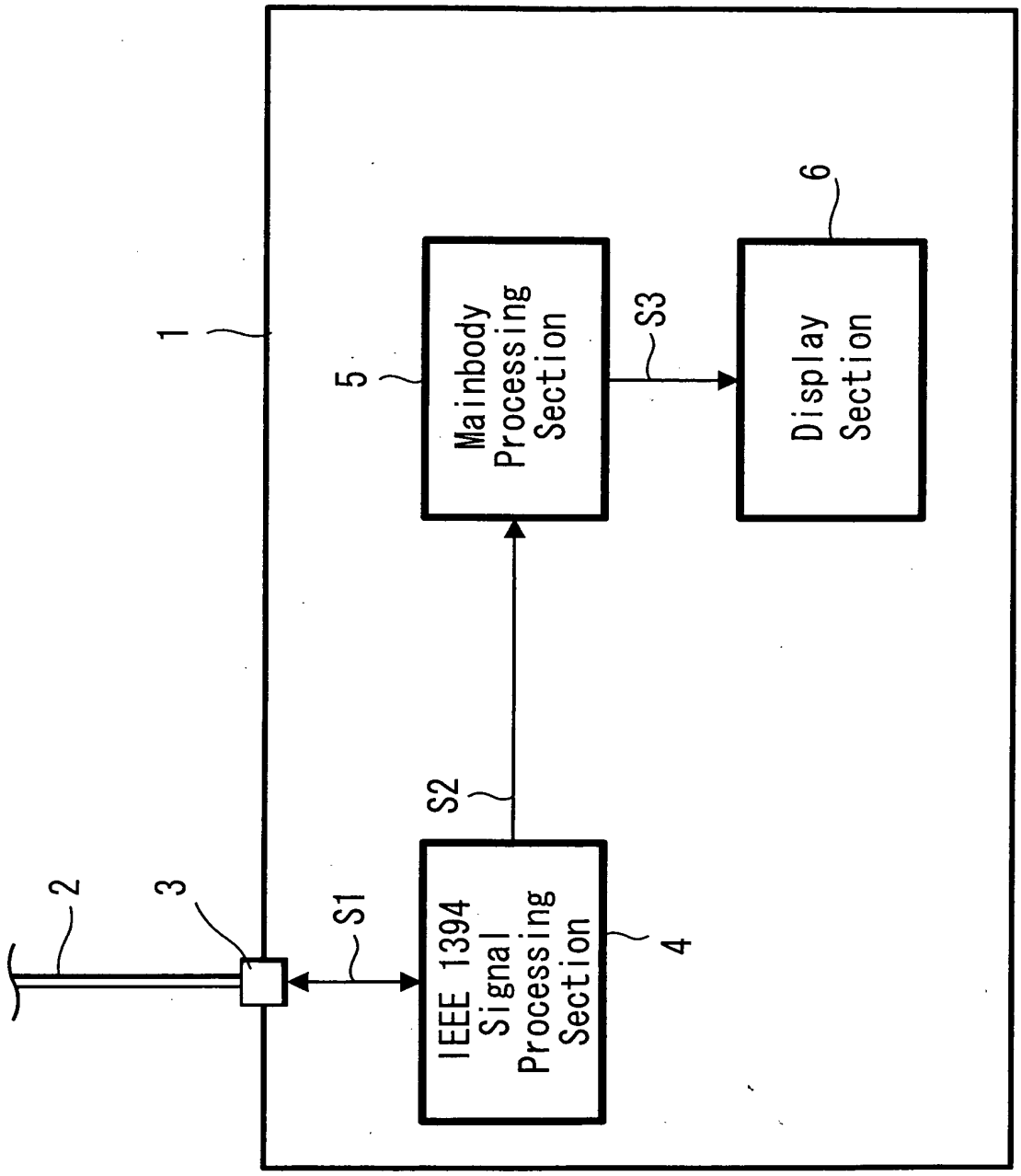


FIG. 20

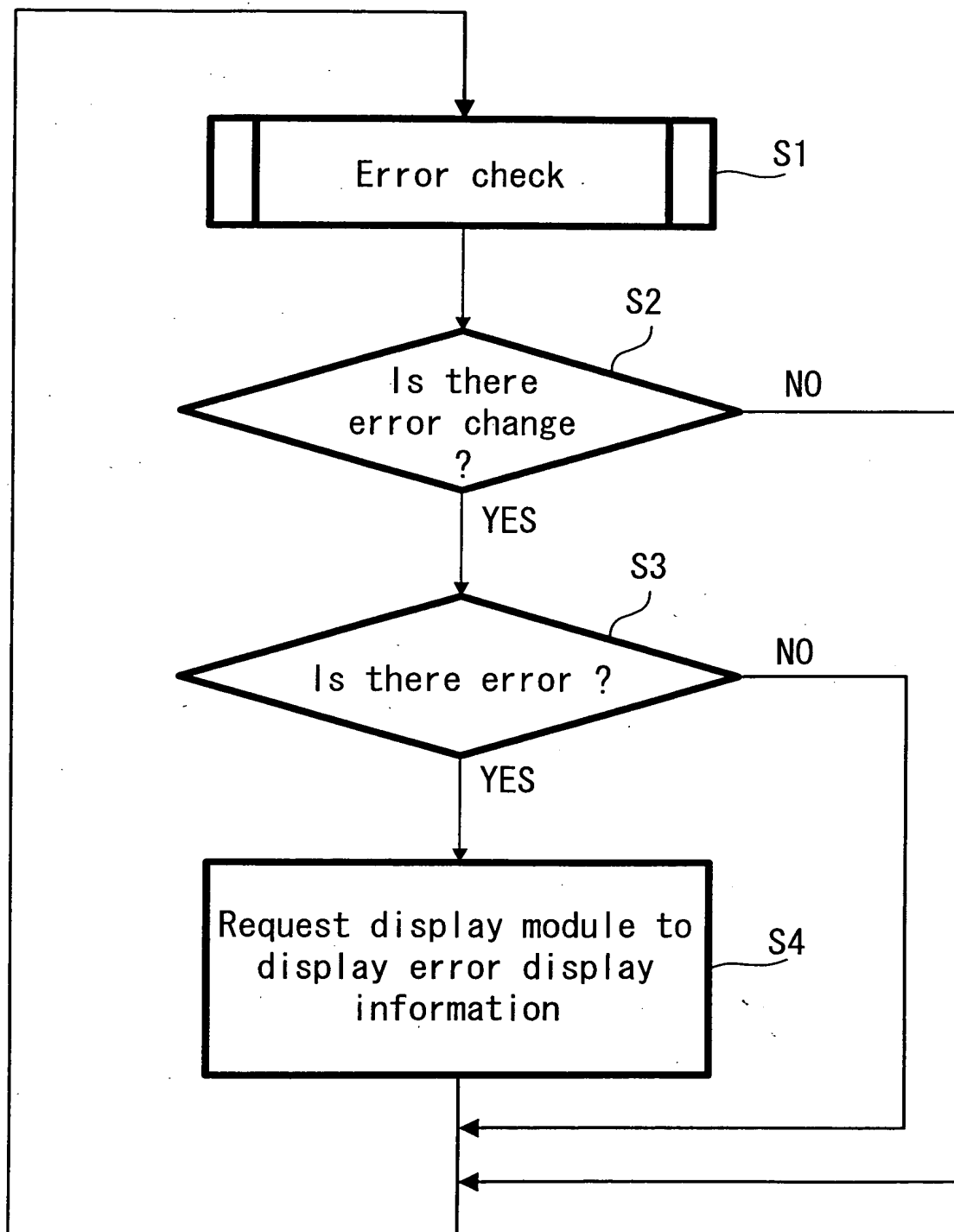
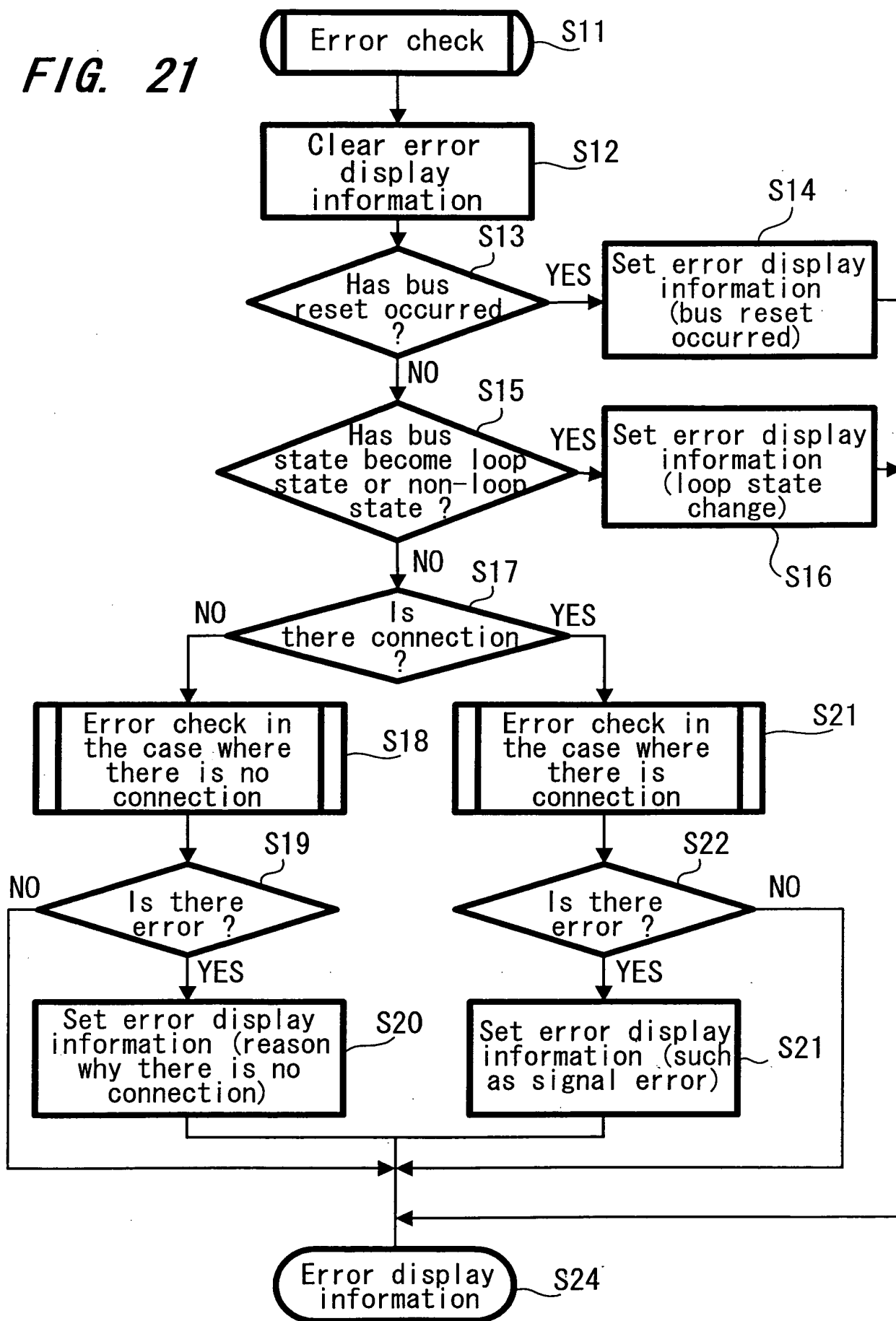


FIG. 20

FIG. 21



00041288-002804

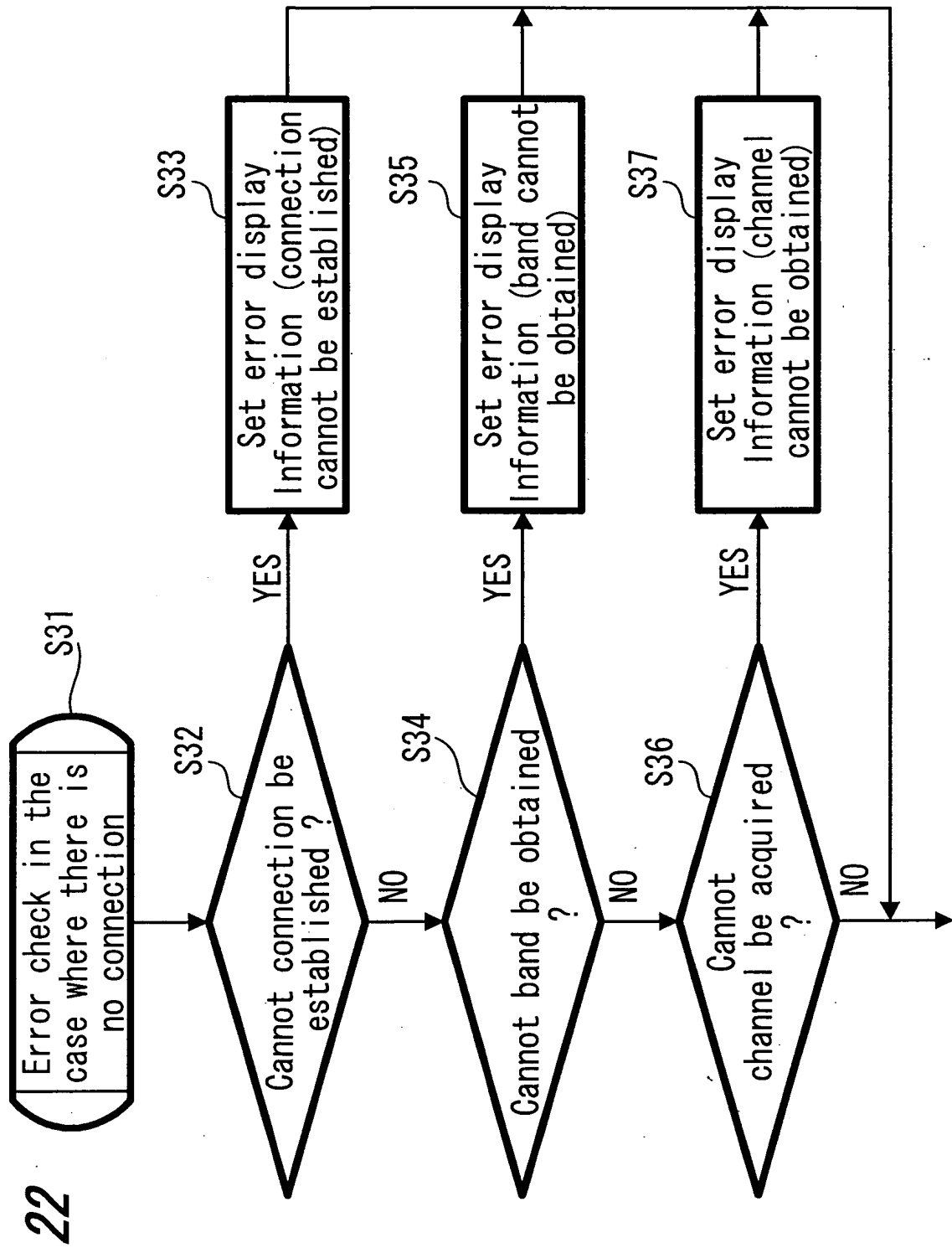
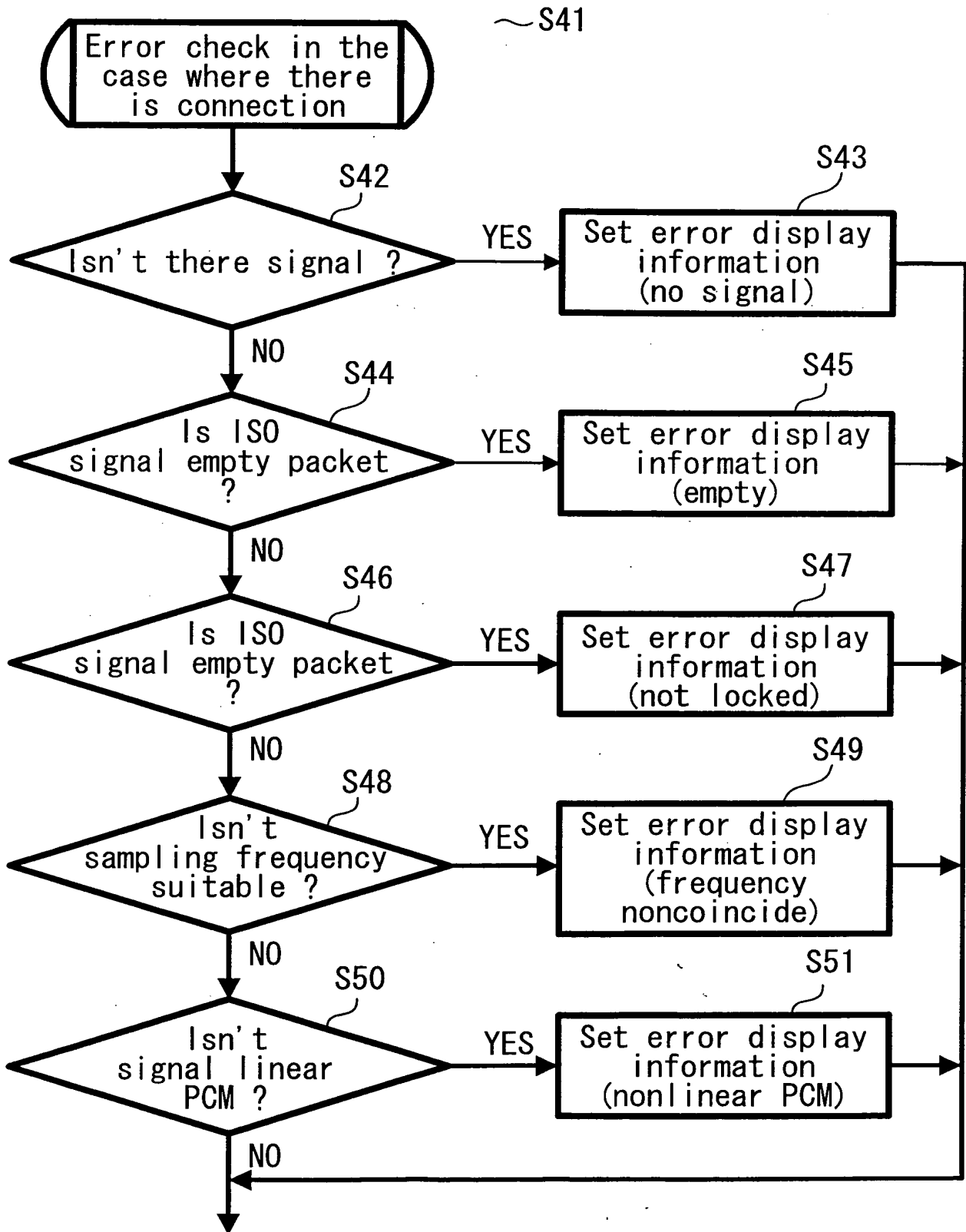


FIG. 23



61

FIG. 24

62

| Error code number (example) | Display message |
|--|--|
| C78:11 (At the time of device selection) | The selected is conduction 63 Lincs and it cannot code with more Lincs |
| C78:12 (TUNER, ANALOG) | SIR has 63 formed Lincs and it cannot have more Lincs |
| C78:22.22 | The case where a different format (signal where cannot be reproduced) it detected |
| C78:22.23 | |
| C78:22.25 | |
| C78:22.26 | |
| C78:31 | The case where the signal clock is out of standard values and the PLL lock is not established |
| C78:04 | The case where there are not input signals at all during selection of a connection device |
| C78:15.13 | Since bus is full of signals output or input cannot be conducted |
| C78:15.14 | |
| C78:15.15 | |
| C78:15.33 | |
| C78:03 | Loop has been formed by cable connection |
| C78:00 | Bus reset has occurred (for example in the case where new device is connected) |
| C60:01 | Temperature within the device is rising |
| C60:08 | Speaker terminal is short-circuited |
| C60:13 | Selected device is not connected |
| | 12 Connection failure of output plug of opposite device side |
| | 31 Connection failure of its own input |
| | 22 The format is not IEC958 format |
| | 23 Discrepancy between N bits (asynchronous) and rate control protocol |
| | 25 The sampling frequency is not suitable |
| | 26 The signal is not linear PCM |
| | 24 The signal is unlocked |
| | 21 There are no signal |
| | 13 Band is deficient at the time of input |
| | 14 Channel is fully occupied time of output |
| | 15 Band is deficient at the time of output |
| | 33 Channel is fully occupied time of output |

FIG. 25

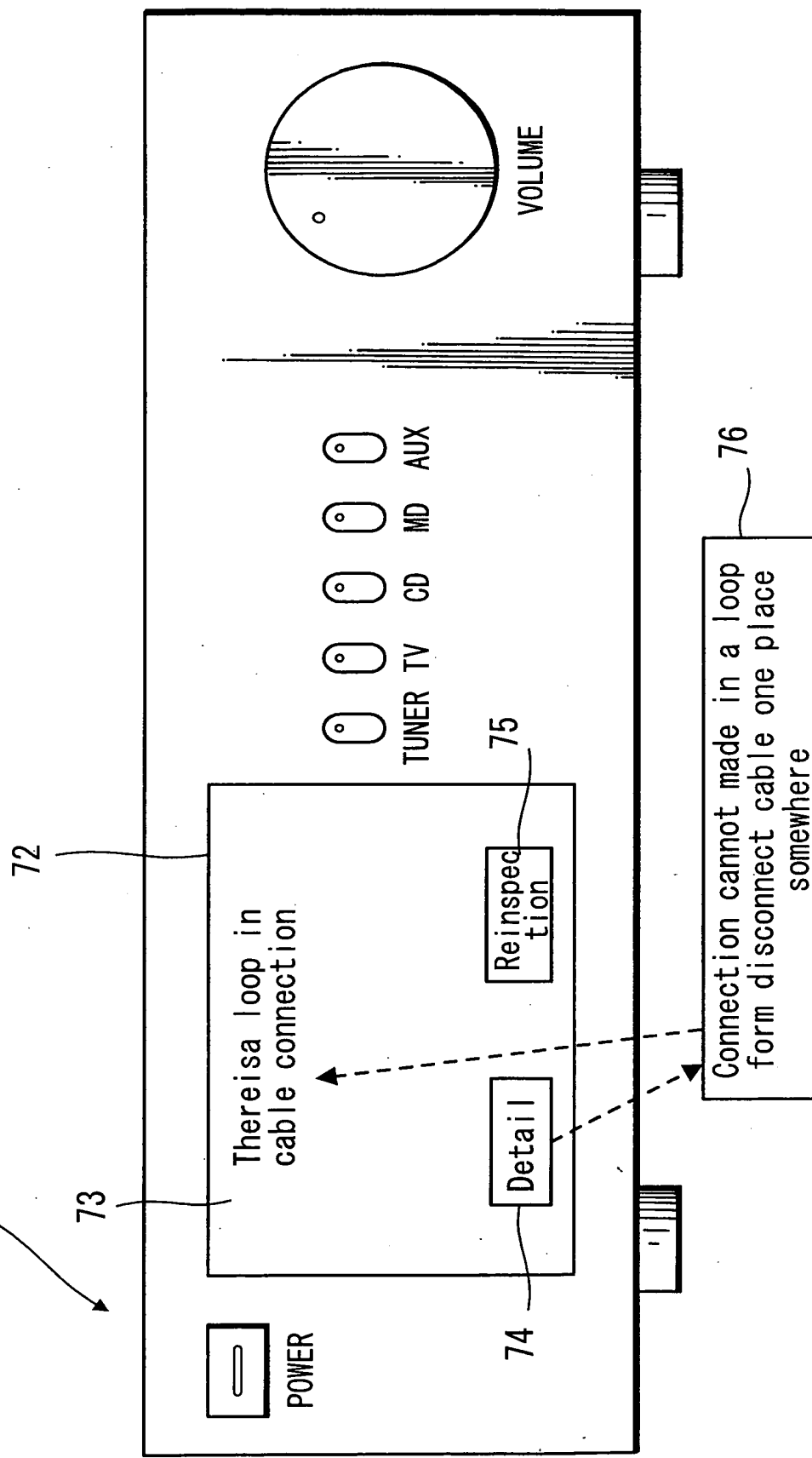


FIG. 26

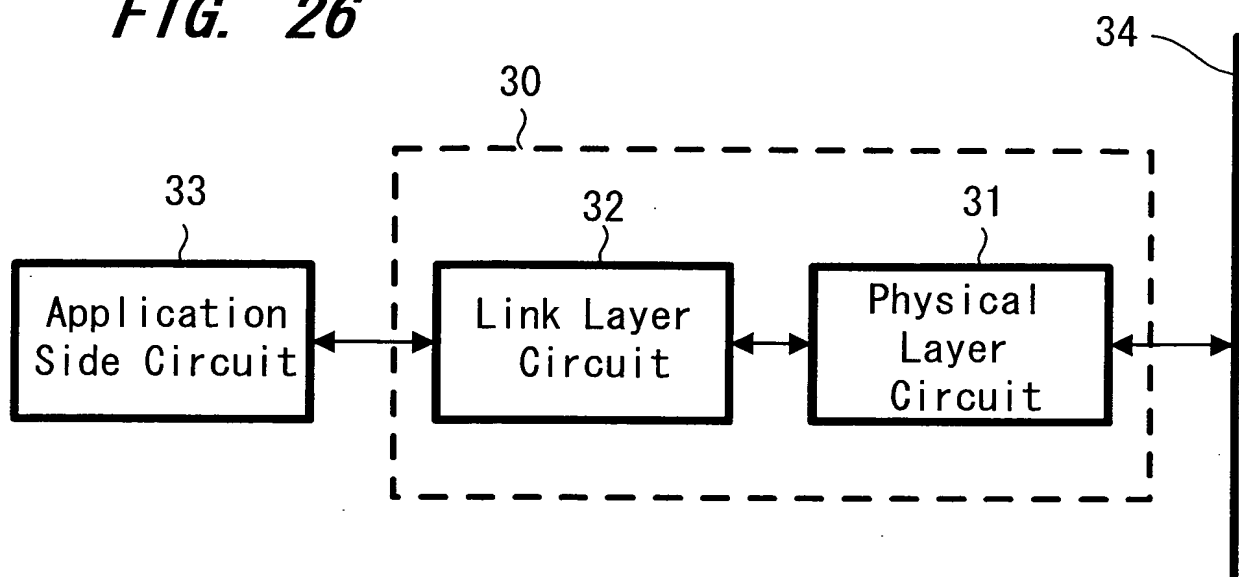


FIG. 27

